AcerHub 528B/528T

10Mbps Ethernet Hub

The 8-port 10Base-T & 1-port 10Base2 Ethernet hub

User's Guide

Acer

Federal Communications Commission Statement

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. This equipment has been tested and found to comply with the limits for a class A computing device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures are necessary to correct the interference.

CE Declaration of conformity :

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE and EN 50082-1, the essential protection requirements of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Introduction

This series products are compact size 10Mbps Ethernet hubs, there are two models in this series:

AcerHub 528B: 8-port 10Base-T (RT-45 connectors) and 1-port 10Base2 (BNC connector).
Model number is ALH-528B.

AcerHub 528T: 8-port 10Base-T (RT-45 connectors).
Model number is ALH-528T.

Note: The model name / model number is shown on the label at the bottom side of the hub.

This user guide describes the features, installation and operating instructions of this mini hub.

Package Contents

The AcerHub 528B/528T package contains the following items:

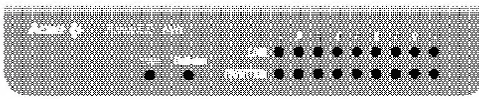
- One AcerHub 528B or 528T Hub
- One AC Power Adapter, output is DC 7.5V, 1000mA
- One BNC T-Connector (only for AcerHub 528B)
- This User's Guide
- Four Pieces of Rubber Foot
- Two Pieces of Tapping Screw
- Two Pieces of Nylon Screw Anchor

Features of AcerHub 528B/528T

- Comply with IEEE 802.3 Ethernet 10BASE-T and 10BASE2 standards
- Compact size for desktop or wall mounting
- Plug and play, no configuration required
- 8 10Base-T (RJ-45) normal port for connection to workstations
- 1 uplink port for easy expanding to another hub or LAN switch
- 1 BNC port for trunk connection
- Per port Link and Partition LEDs for easy diagnostics

The AcerHub 528 Front Panel

The following diagram illustrates the front panel of AcerHub 528. To distinguish model 528B or 528T, please see the label on the bottom side of the hub.



1. PWR, the power (Green) Indicator

When the power LED is lit it indicates that the hub's power is on.

2. Collision (ORANGE) Indicator

This LED indicator blinks when the hub detects a collision on the network.

3. Link (GREEN) Indicators

These LEDs indicate the state of the data link of each port. The LED will be "ON" when the connection of that port is successful, and the LED will be blinking when data is being received at that port.

4. Partition (ORANGE) Indicators

The LEDs will be "ON" when ports on the hub are been partitioned. A port is partitioned if it experiences consecutive collisions. The partitioned port is automatically isolated by the hub. The port will be automatically recovered when the faulty condition disappeared. When the port recovers, the partition LED returns to normal status ("OFF").

The Rear Panel of AcerHub 528

1. RJ-45 Ports

The hub is equipped with 8 10Base-T (RJ-45) ports for making hub-to-workstation connections.

2. Cascade Enabling Slide-Switch

Slide this switch to the right (marked as "Cascade") to enable port No. 9 to cascade with another hub or LAN switch.

3. BNC Port

This port is available on model ALH-528B only. This is a 10BASE2 trunk port for connection to workstations or another hub.

4. AC Adapter Port

Plug the AC adapter jack into this port.

Wall Mounting

After you have decided on a suitable location for mounting the hub, mark the location for inserting two screws 165mm apart. At the marked locations, drill two holes and insert a nylon screw anchor in each hole. Insert a tapping screw in each hole. Align wall-mount slots of the hub with the screws and slide the hub down until the screws are securely fastened to the hub. Then You can proceed the installation procedure by marking the necessary cable connections.

Making Network Connections

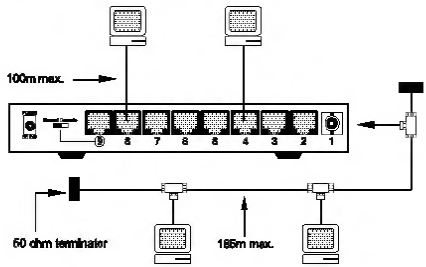
10Base-T Connection

refer to following figure for an illustration of such a connection.

4. *Take caution that you need to attach a 50ohm terminator on both ends of the BNC cable.*

Note: *If port1 (BNC PORT) does not connect to the coaxial cable after power is applied to the hub, port1 (BNC PORT) Partition LED will be blinking. The port1 Partition LED will be OFF after connecting the coaxial cable to port1.*

The following diagram illustrates 10BASE-T and 10BASE2 network connections.

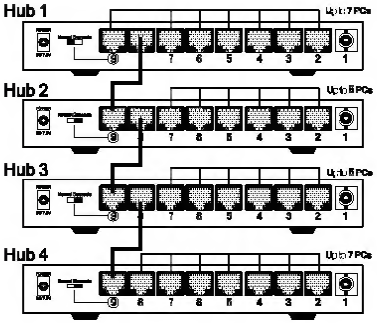


Cascading Hubs by using 10Base-T port

When your 10BASE-T network needs to grow to more than eight connections, you should consider to purchase an additional hub and cascading it to the original hub.

The AcerHub 528B features a cascade enabling switch to allow port No. 9 to cascade to next hub.

The following diagram illustrates 10BASE-T cascading. In IEEE 802.3 standard, It allows in maximum 4 hubs being cascaded by using 10Base-T port.



Specifications of AcerHub 528B/528T :

	Acer Hub 528B	Acer Hub 528T
1. No. of 10Base-T (RJ-45 connector) port	8	8
2. One of the 10Base-T port with crossover enabling state-switch for uplink purpose	YES	YES
3. No. of 10Base2 (BNC connector) port	1	0
4. Auto-partitioning for every port	YES	YES
5. Polarity auto-detection and auto correction for every 10Base-T port	YES	YES
6. Wall-Mount Feature available	YES	YES
7. Two LEDs per port to indicate Link and Partition status of that port	YES	YES
8. Two LEDs to indicate Power and Collision Status of the hub	YES	YES
9. Network cable specification	1.10BASE-T port : UTP (Unshielded Twisted Pair) Category 5 or 5 cable, maximum 100 meters 2.10Base2 (BNC) port: RG-58 thin cable, maximum 185 meters	1.10BASE-T port : UTP (Unshielded Twisted Pair) Category 5 or 5 cable, maximum 100 meters
10. External power adapter	Input: 100 or 120 or 220 or 240V AC, depend on area Output: 7.8V DC, 1000mA	Input: 100 or 120 or 220 or 240V AC, depend on area Output: 7.8V DC, 1000mA

Product Limited Warranty

Acer Netxus Incorporated (ANI) warrants its product to be free from defects in materials and workmanship, under normal use and service, for the following lengths of time from the date of purchase from ANI or its Authorized Resellers.

Network adapter card	Limited Lifetime
Unmanaged hub	*Limited Lifetime
Switch and managed hub	*3 year

* Power supply/adapter and fans in these devices provide One year warranty

All products with limited lifetime warranty have a standard five-year warranty. This warranty does not cover the product if it is damaged by abuse, accident, misuse, improper installation, or improper testing. If a product does not operate as warranted during the applicable warranty period, ANI shall, at its option and expense, either repair the defective product or part returned to ANI, or deliver to customer an equivalent product or part to replace the defective item. Definitely, all products that are replaced will become the property of ANI. Replacement products may be new or reconditioned. Any replacement or repaired product or part has a ninety days warranty or the remainder of the initial warranty period, whichever is longer. ANI shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to ANI pursuant to any warranty. Before you obtain warranty service, you must request an RMA (Return Materials Authorization) number by calling, faxing or writing ANI's Customer Service Department at the numbers listed below. You must use the original container (or the equivalent) and pay the shipping charge.

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If you purchased this product in the UNITEDSTATES, some states do not allow the limitation or exclusion of liability for incidental consequential damages, so the above limitation may not apply to you.

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